

# WEST Search History

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DATE: Friday, January 02, 2004

Hide?	Set Name	Query	Hit Count
		<i>DB=PGPB; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L30	L25	15
<input type="checkbox"/>	L29	L26	28
		<i>DB=USPT,USOC; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L28	L25	10
<input type="checkbox"/>	L27	L26	37
		<i>DB=PGPB,USPT,USOC; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L26	L24 and one-to-one	65
<input type="checkbox"/>	L25	L23 and one-to-one	25
<input type="checkbox"/>	L24	L21 and populat\$	243
<input type="checkbox"/>	L23	L22 and populat\$	70
<input type="checkbox"/>	L22	L19 and object model	134
<input type="checkbox"/>	L21	L17 and object model	413
<input type="checkbox"/>	L20	L19 and one-to-one	65
<input type="checkbox"/>	L19	L17 and l6	444
<input type="checkbox"/>	L18	L17 and one-to-one	206
<input type="checkbox"/>	L17	L8 and (meta?data or metadata)	1403
		<i>DB=EPAB; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L16	(object model) and l9	1
		<i>DB=DWPI; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L15	(object model) and l11	10
<input type="checkbox"/>	L14	(meta?data or metadata) and l11	8
		<i>DB=EPAB; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L13	(meta?data or metadata) and l9	2
		<i>DB=EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L12	(meta?data or metadata) and (l9 or l10 or l11)	10
		<i>DB=DWPI; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L11	L8	245
		<i>DB=TDBD; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L10	L8	37
		<i>DB=EPAB; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L9	L8	24

*DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ*

<input type="checkbox"/>	L8	L7 and (mapping or mapped or transform\$)	7969
<input type="checkbox"/>	L7	XML or markup language	20829

*DB=PGPB,USPT,USOC; PLUR=YES; OP=ADJ*

<input type="checkbox"/>	L6	L5 or I4 or I3 or I2 or I1	14799
<input type="checkbox"/>	L5	715/900-902,907-911.ccls.	48
<input type="checkbox"/>	L4	715/509-525.ccls.	2648
<input type="checkbox"/>	L3	707/103R,103Y,103X,103Z,104.1.ccls.	3551
<input type="checkbox"/>	L2	707/3-6,100-102.ccls.	8624
<input type="checkbox"/>	L1	717/104-123,136-137,141-143,165.ccls.	2082

END OF SEARCH HISTORY

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		<i>DB=EPAB; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L16	(object model) and l9	1
		<i>DB=DWPI; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L15	(object model) and l11	10
<input type="checkbox"/>	L14	(meta?data or metadata) and l11	8
		<i>DB=EPAB; PLUR=YES; OP=ADJ</i>	
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		<i>DB=EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>	
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		<i>DB=TDBD; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L10	L8	37
		<i>DB=EPAB; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L9	L8	24
		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>	
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<input type="checkbox"/>	L7	XML or markup language	20829

*DB=PGPB,USPT,USOC; PLUR=YES; OP=ADJ*

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<input type="checkbox"/>	L3	707/103R,103Y,103X,103Z,104.1.ccls.	3551
<input type="checkbox"/>	L2	707/3-6,100-102.ccls.	8624
<input type="checkbox"/>	L1	717/104-123,136-137,141-143,165.ccls.	2082

END OF SEARCH HISTORY

# Hit List

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## Search Results - Record(s) 1 through 10 of 10 returned.

☐ 1. Document ID: US 20030167456 A1

L15: Entry 1 of 10

File: DWPI

Sep 4, 2003

DERWENT-ACC-NO: 2003-746361

DERWENT-WEEK: 200370

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TITLE: Scalable web database application modeling method for online transaction processing, involves utilizing both object and data modeling techniques to obtain layered object model satisfying specific conditions

INVENTOR: SABHARWAL, V

PRIORITY-DATA: 2000US-198149P (April 17, 2000), 2001US-0836681 (April 13, 2001)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>US 20030167456 A1</u>	September 4, 2003		017	G06F009/44

INT-CL (IPC): G06 F 9/44

ABSTRACTED-PUB-NO: US20030167456A

BASIC-ABSTRACT:

NOVELTY - The object and data modeling techniques are utilized according to a set of rules, to obtain a layered object model satisfying predefined conditions, such that the persistent objects are functionally complete objects with basic object oriented features such as state and identity, encapsulating database structure and procedure.

DETAILED DESCRIPTION - There is partitioning of skill sets between database developers and object oriented application developers.

INDEPENDENT CLAIMS are also included for the following:

- (1) database operation management run time architecture;
- (2) XML utilizing technique for building complex system;
- (3) XML vocabulary; and
- (4) extensible style sheet language transformation software utilization technique.

USE - For modeling scalable web database applications used for online transaction processing.

ADVANTAGE - Since layered object model satisfying predetermined condition is realized,

by utilizing both object and data modeling techniques, code reduction and high performance application are realized in efficient manner.

DESCRIPTION OF DRAWING(S) - The figure shows the architecture of object relational mapping system using the modeling method.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Notes	Drawings	Drawings	Drawings
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☐ 2. Document ID: US 20030126556 A1

L15: Entry 2 of 10

File: DWPI

Jul 3, 2003

DERWENT-ACC-NO: 2003-670866

DERWENT-WEEK: 200363

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TITLE: Transforming method for XML document to data object in object oriented framework, involves storing DDO or XDO in content manager data store after constructing at least one DDO or at least one XDO based on DOM tree

INVENTOR: AN, L; LIN, J ; MONICA, S ; SOETARMAN, B ; SUMMERS, R

PRIORITY-DATA: 2001US-0935251 (August 22, 2001)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>US 20030126556 A1</u>	July 3, 2003		014	G06F007/00

INT-CL (IPC): G06 F 7/00

ABSTRACTED-PUB-NO: US20030126556A

BASIC-ABSTRACT:

NOVELTY - Parsing of XML document (302) is performed after importing the XML document. A document object model (DOM) tree is then built from the parsed XML document. At least one dynamic data object (DDO) or at least one extended dynamic data object (XDO) is constructed based on the DOM tree. The DDO or XDO is then stored in a content manager data store (212).

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) a method for transforming XML document from data objects in object oriented framework;
- (b) a computer readable medium with program instructions for transforming XML document to data objects in object oriented framework;
- (c) a computer readable medium with program instructions for transforming XML document from data objects; and
- (d) a system for transforming XML document to data objects.

USE - For transforming XML (Extensible Markup Language) document to data objects in object-oriented framework.

ADVANTAGE - Enhances the existing framework with a feature to process XML documents

utilizing the existing framework facilities. Enables application developers to exploit key advantages of XML representation as well as object orientation.

DESCRIPTION OF DRAWING(S) - The figure is a process flowchart of importing XML document into object oriented framework according to the method for transforming XML document to data objects in object oriented framework.

Content manager data store 212

XML document 302

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Summary	Draw Desc	In
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☐ 3. Document ID: US 20020143815 A1

L15: Entry 3 of 10

File: DWPI

Oct 3, 2002

DERWENT-ACC-NO: 2003-058097

DERWENT-WEEK: 200305

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TITLE: Web document representation object model using internet, has item, relation and attribute components to represent data elements, association between data items and information about items respectively

INVENTOR: SATHER, D A

PRIORITY-DATA: 2001US-0767455 (January 23, 2001)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20020143815 A1	October 3, 2002		018	G06F017/21

INT-CL (IPC): G06 F 17/21; G06 F 17/24

ABSTRACTED-PUB-NO: US20020143815A

BASIC-ABSTRACT:

NOVELTY - The object model comprises an item component representing data elements, a relation component representing association between data items and an attribute component representing information about the items.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) Data structuring system;
- (2) Data structuring method;
- (3) Computer-readable medium storing document representation method;
- (4) Data structure patterning system; and
- (5) Extensible markup language document transformation scheme provision method.

USE - For representation of web documents over internet.

ADVANTAGE - Provides document object model that represent relationship between elements and attributes of elements defined in different forms.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the document transformation system.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Index	Draw-Desc	Fig
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☐ 4. Document ID: WO 200267150 A1, US 20020099712 A1

L15: Entry 4 of 10

File: DWPI

Aug 29, 2002

DERWENT-ACC-NO: 2002-642648

DERWENT-WEEK: 200269

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TITLE: Extensible mark-up language database operating method involves flattening structured data document and generating data transform and tag string transform, and storing pointer of tag in each map store cell

INVENTOR: BRANDIN, C L; GRIMALDI, L L ; HUCK, K L

PRIORITY-DATA: 2001US-0767493 (January 23, 2001)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>WO 200267150 A1</u>	August 29, 2002	E	000	G06F017/30
<u>US 20020099712 A1</u>	July 25, 2002		025	G06F007/00

INT-CL (IPC): G06 F 7/00; G06 F 17/00; G06 F 17/21; G06 F 17/30

ABSTRACTED-PUB-NO: US20020099712A

BASIC-ABSTRACT:

NOVELTY - A flattened document is formed from a received structured data document, and a transform generator generates a data transform for all data entries and a tag string transform for the associated tags. The pointers of each tag are stored in each cell of a map store which is connected to the transform generator.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) Structured data document handling system; and
- (2) Numerical document object model searching method.

USE - Used in computer system.

ADVANTAGE - Flattening the structured data document reduces the number of lines used to describe the document and the tag and data store allows each cell in the map store to be a fixed length, thereby resulting in a compressed document that requires less memory to store and less bandwidth to transmit, thereby increasing the time to search structured data document.

DESCRIPTION OF DRAWING(S) - The figure shows the XML document.



☐ 5. Document ID: US 20020091835 A1

L15: Entry 5 of 10

File: DWPI

Jul 11, 2002

DERWENT-ACC-NO: 2002-655896

DERWENT-WEEK: 200353

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TITLE: Web-based content information exchange system involves mapping content definition field of retrieved content which is classified using XML rules, with field from collaboration sites

INVENTOR: LENTINI, R P; RAO, G P ; THIES, J N ; THIRUMALE, M

PRIORITY-DATA: 2001US-0016689 (December 5, 2001), 2000US-254351P (December 5, 2000), 2000US-254527P (December 5, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20020091835 A1	July 11, 2002		023	G06F015/16

INT-CL (IPC): G06 F 15/16

ABSTRACTED-PUB-NO: US20020091835A

BASIC-ABSTRACT:

NOVELTY - A search engine receives content from a web server in response to a substitute HTTP session which is initiated instead of HTTP session from user. The content is converted into document object model and classified according to XML rules. Another search engine maps content definition fields of the classified content with content definition fields from collaborating sites.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for web-based content information exchange method.

USE - For exchanging collaborative information from various related content sources using Internet.

ADVANTAGE - The content information from the web server are classified so that the client requested content is easily retrieved by identifying the content classification. The number of user executions is reduced.

DESCRIPTION OF DRAWING(S) - The figure shows a simplified representation of content recognition, mapping and fusion processes for information exchange.

☐ 6. Document ID: WO 200286706 A1, US 20010044811 A1

L15: Entry 6 of 10

File: DWPI

Oct 31, 2002

DERWENT-ACC-NO: 2002-048856

DERWENT-WEEK: 200272  
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TITLE: Data delivery method for legacy computer system used in e-commerce application, involves modifying applications of legacy system and running modified applications so that data is output in extensive mark-up language format

INVENTOR: BALLANTYNE, A M; HINES, L M ; SMITH, M K

PRIORITY-DATA: 2001US-0840727 (April 23, 2001), 2000US-0522277 (March 9, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 200286706 A1	October 31, 2002	E	000	G06F009/44
US 20010044811 A1	November 22, 2001		024	G06F015/00

INT-CL (IPC): G06 F 9/44; G06 F 15/00

ABSTRACTED-PUB-NO: US20010044811A

BASIC-ABSTRACT:

NOVELTY - A data model of the legacy computer system application is generated. The model is mapped to an extensible mark up language (XML) schema. The applications of the legacy system are automatically modified and are run so that data written in document object model is output in XML format.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Data delivery system;
- (b) Data outputting system;
- (c) Data outputting method;
- (d) Legacy computer system modeling method;
- (e) Legacy computer system modeling system

USE - For outputting data from legacy computer system used in enterprise application integration (EAI), electronic bill presentation and payment (EBPP), archival of billing statements in business intelligence, etc.

ADVANTAGE - Direct generation of XML formatted data reduces friction in information networks, reduces cost of tracking information, reduces time associated with obtaining business intelligence. Customers can automatically analyze their suppliers for vendor relationship management, suppliers can automatically analyze their customers for customer relationship management and manufacturers can automatically analyze markets for their products for market intelligence by making data available in semantically meaningful form.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart of the generation of modified legacy program applications to output XML data.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWG	Draw Desc	©
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DERWENT-ACC-NO: 2002-034388

DERWENT-WEEK: 200219

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TITLE: Computer program product containing program for sharing components between e.g. Java and C++, defines C++ proxy component which has semantic usability closely corresponding to semantic usability of Java component

INVENTOR: GALARNEAU, N; KRAPP, A R

PRIORITY-DATA: 2000US-0551246 (April 17, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 200179997 A1	October 25, 2001	E	147	G06F009/44
AU 200153897 A	October 30, 2001		000	G06F009/44

INT-CL (IPC): G06 F 9/44

ABSTRACTED-PUB-NO: WO 200179997A

BASIC-ABSTRACT:

NOVELTY - The computer readable medium has signals defining C++ proxy component (8). The proxy component representing concept in C++ programming language, executes Java component (2) in Java programming language. The C++ proxy component has semantic usability (10) closely corresponding to semantic usability (4) in Java programming language.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Digital entity porting method;
- (b) Java component modeling method;
- (c) Java component modeling system;
- (d) Computer program product starting program for modeling Java component;
- (e) Java component transformation method;
- (f) Java component transformation system;
- (g) Computer program product storing program for transforming Java component

USE - For sharing components between programming languages such as Java, C++, common object request broker architecture (CORBA), component object model (COM). Also for sharing components between non-functional domains such as hyper text markup language (HTML), extensible markup language (XML) and data standard formats such as moving picture experts group (MPEG) for video images and national television standards committee (NTSC) for video signals.

ADVANTAGE - As the automatically generated proxy component has semantic usability in C++ language, closely corresponding to semantic usability of Java program language, a

digital entity such as a software application is transformed gradually from Java to C++ programming language.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram illustrating a proxy component.

Java component 2

Semantic usability in Java programming language 4

C++ proxy component 8

Semantic usability in C++ programming language 10

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KWIC	Draw Desc	E
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☐ 8. Document ID: CN 1310415 A, GB 2366037 A

L15: Entry 8 of 10

File: DWPI

Aug 29, 2001

DERWENT-ACC-NO: 2001-657514

DERWENT-WEEK: 200228

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TITLE: HTML document customization involves flattening document object model so as to generate corresponding transformed document suitable for display by target device

INVENTOR: SUN, Y

PRIORITY-DATA: 2000US-0512560 (February 24, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>CN 1310415 A</u>	August 29, 2001		000	G06F017/21
<u>GB 2366037 A</u>	February 27, 2002		020	G06F017/30

INT-CL (IPC): G06 F 9/46; G06 F 13/14; G06 F 17/00; G06 F 17/21; G06 F 17/30

ABSTRACTED-PUB-NO: CN 1310415A

BASIC-ABSTRACT:

NOVELTY - A document is parsed so as to generate a corresponding document object model (DOM) having an object. A style sheet including a rule directed to a target device (50) is obtained and applied to the DOM. The DOM is flattened to generate a corresponding transformed document suitable for display by the target device.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Requested document customizing system;
- (b) Article of manufacture comprising computer readable medium storing document customizing program

USE - For customizing hypertext markup language (HTML) document.

ADVANTAGE - Enables different target devices to access a web document using the same URL, thus development and maintenance costs, and the need for multiple links for different target devices, are reduced.

DESCRIPTION OF DRAWING(S) - The figure shows the server side customizing system.

Target device 50

ABSTRACTED-PUB-NO:

GB 2366037A EQUIVALENT-ABSTRACTS:

NOVELTY - A document is parsed so as to generate a corresponding document object model (DOM) having an object. A style sheet including a rule directed to a target device (50) is obtained and applied to the DOM. The DOM is flattened to generate a corresponding transformed document suitable for display by the target device.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

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Target device 50

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Draw	Desc	Fig
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☐ 9. Document ID: US 20030220930 A1, WO 200152063 A1, AU 200130772 A, US 20020169741 A1, EP 1257916 A1, US 6523042 B2, JP 2003523004 W

L15: Entry 9 of 10

File: DWPI

Nov 27, 2003

DERWENT-ACC-NO: 2001-596336

DERWENT-WEEK: 200378

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TITLE: Translating to and from hierarchical information system

INVENTOR: HUDGONS, M; JOSHI, D M ; MILLEKER, W N ; PHILLIPS, J ; HUDGONS, M L

PRIORITY-DATA: 2000US-0479840 (January 7, 2000), 2002US-0327622 (December 20, 2002)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>US 20030220930 A1</u>	November 27, 2003		000	G06F007/00
<u>WO 200152063 A1</u>	July 19, 2001	E	176	G06F009/455
<u>AU 200130772 A</u>	July 24, 2001		000	G06F009/455

<u>US 20020169741 A1</u>	November 14, 2002		000	G06F007/00
<u>EP 1257916 A1</u>	November 20, 2002	E	000	G06F009/455
<u>US 6523042 B2</u>	February 18, 2003		000	G06F017/30
<u>JP 2003523004 W</u>	July 29, 2003		164	G06F017/21

INT-CL (IPC): G06 F 3/14; G06 F 7/00; G06 F 9/44; G06 F 9/45; G06 F 9/455; G06 F 17/21; G06 F 17/30

ABSTRACTED-PUB-NO: WO 200152063A  
BASIC-ABSTRACT:

NOVELTY - Method comprises identifying a non-hierarchical information system containing information stored in a non-hierarchical manner, and developing a translation map that identifies organizational and content based rules for translating the non-hierarchical information into an hierarchical information system. The non-hierarchical information is translated into hierarchical information system according to rules for translating for storage.

DETAILED DESCRIPTION - An interface that supports the specific data transformation requirements of translating information from a specific hierarchical system (object model), such as XML data, into a non-hierarchical system, such as linear strings (custom legacy messages), or into a different specific hierarchical system, performs the mapping, lookups and derivations necessary to format legacy messages in a manner consistent with legacy applications. AN INDEPENDENT CLAIM is made for:

(a) A computerized method for translating to and from an hierarchical information system, and

(b) A system for translating to and from an hierarchical information system.

USE - For translating information, to or from an hierarchical information system

ADVANTAGE - Invention is capable of translating non-hierarchical information into hierarchical information system, and translating non-hierarchical information for storage into hierarchical information system according to rules for translating.

DESCRIPTION OF DRAWING(S) - Drawing shows application architecture and components of an interface.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KWIC	Draw Desc	E
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## ☐ 10. Document ID: RD 423110 A

L15: Entry 10 of 10

File: DWPI

Jul 10, 1999

DERWENT-ACC-NO: 2000-315116

DERWENT-WEEK: 200027

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TITLE: Parameterized XSL style sheets production by text transformation engine and optimized with respect to limitations and preferences - includes loading style sheets into memory while storing associated processing instructions and applying resulting style sheets to XML document

PRIORITY-DATA: 1999RD-0423110 (June 20, 1999)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
RD 423110 A	July 10, 1999		005	G06F000/00

INT-CL (IPC): G06 F 0/00

ABSTRACTED-PUB-NO: RD 423110A

## BASIC-ABSTRACT:

NOVELTY - A Java XML parser processes input documents and an XML processor parses XML documents and invokes objects registered to processor specific tags, while the objects implement either an elemental handler Java interface or a tag handler interface. Transformation beans, implementing the interfaces, register with the parser to process a specific set of tags. The XSL style sheets applied to XML documents are capable of converting one document object model to another. A style sheet is loaded into memory before application to an XML document to yield a result tree

USE - Modifying web content to accommodate device, browser and network bandwidth limitations as well as user preferences

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Desc	In
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Terms	Documents
(object model) and L11	10

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## Search Results - Record(s) 1 through 2 of 2 returned.

☐ 1. Document ID: EP 1280075 A2

L13: Entry 1 of 2

File: EPAB

Jan 29, 2003

PUB-NO: EP001280075A2

DOCUMENT-IDENTIFIER: EP 1280075 A2

TITLE: System and method for formatting content to be published

PUBN-DATE: January 29, 2003

INVENTOR-INFORMATION:

NAME

COUNTRY

JUSTICE, TIMOTHY P

US

HIEBERT, STEVEN P

US

INT-CL (IPC): G06 F 17/30

EUR-CL (EPC): G06F017/30

ABSTRACT:

CHG DATE=20030305 STATUS=O> Various systems and a methods are provided to format a content item (183) into a predefined markup format. For example, the various embodiments provide for the transformation of a content item (183) embodied in a text file (169) into a discriminate markup file (146) such as an eXtensible Markup Language (XML) file that includes metadata such as tags that differentiate among the various content element

in the content item (183).



Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw. Desc	In
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☐ 2. Document ID: EP 1244309 A1

L13: Entry 2 of 2

File: EPAB

Sep 25, 2002

PUB-NO: EP001244309A1

DOCUMENT-IDENTIFIER: EP 1244309 A1

TITLE: A method and microprocessor system for forming an output data stream comprising metadata

PUBN-DATE: September 25, 2002

INVENTOR-INFORMATION:



NAME

HEPPER, DIETMAR DIPL-ING

COUNTRY

DE

INT-CL (IPC): H04 N 7/24

EUR-CL (EPC): H04N007/24

## ABSTRACT:

CHG DATE=20021101 STATUS=O> A method and an electronic system for forming an output data stream are provided. A corresponding input data stream contains service information that is extracted and transformed into metadata. The service information and the content data comprised in the input data stream are used for generating an output data stream. For example the invention can be used to generate an MPEG-2 output data stream with TV-Anytime /XML metadata based on DVB-SI service information contained in the input data

stream.



Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMIC	Draw Desc	In
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Terms	Documents
(meta?data or metadata) and L9	2

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## Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: WO 2086706 A1

L16: Entry 1 of 1

File: EPAB

Oct 31, 2002

PUB-NO: WO002086706A1

DOCUMENT-IDENTIFIER: WO 2086706 A1

TITLE: METHOD AND SYSTEM FOR REPORTING XML DATA BASED ON PRECOMPUTED CONTEXT AND A DOCUMENT OBJECT MODEL

PUBN-DATE: October 31, 2002

### INVENTOR-INFORMATION:

NAME

COUNTRY

BALLANTYNE, ALANDO M

SMITH, MICHAEL K

HINES, LARRY M

INT-CL (IPC): G06 F 9/44

### ABSTRACT:

CHG DATE=20030114 STATUS=N>A method and system for modifying program applications of a legacy computer system to directly output data as XML using a DOM instance, models the legacy computer system, maps the model to an XML schema and automatically modifies one or more applications to directly output XML formatted data from an internally constructed DOM instance in cooperation with a writer engine. The writer engine allows for an arbitrary number of contexts to be simultaneously active and builds a complete DOM instance by using the multiple contexts to buffer output data. The writer engine directly loads XML schema information to construct and output DOM instances in accordance with the schema and subject to further transformation by XSLT stylesheets.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Alphabetical	Claims	KWIC	Draw Desc	In
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Terms	Documents
(object model) and L9	1

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